MainActivity

```kotlin
package com.example.androidrecycler
import ...
class MainActivity : AppCompatActivity() {
    private lateinit var newRecycleView : RecyclerView
    private lateinit var newArrayList : ArrayList<DataClass>
    private lateinit var imageid : Array<Int>
    private lateinit var textId : Array<String>
    private lateinit var buttonId : Array<String>
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
            insets
        }
        imageid = arrayOf(
            R.drawable.image1,
            R.drawable.image2,
            R.drawable.image3,
            R.drawable.image4,
        )
        textId = resources.getStringArray(R.array.Titles)
        buttonId = resources.getStringArray(R.array.Button_text)
        newRecycleView = findViewById(R.id.recyclerview)
        newRecycleView.layoutManager = LinearLayoutManager( context: this)
        newArrayList = arrayListOf<DataClass>()
        getUserdata()
    }
    private fun getUserdata() {
        for (i in imageid.indices) {
            val data = DataClass(imageid[i],textId[i], buttonId[i])
            newArrayList.add(data)
        }
        newRecycleView.adapter = MyAdapter(newArrayList,  context: this)
    }
}
```

DataClass

```kotlin
package com.example.androidrecycler
data class DataClass(var image: Int, var text: String, var buttonText: String)
```

ItemsAdapter

```kotlin
package com.example.androidrecycler
import ...
class MyAdapter(private val newList : ArrayList<DataClass>, val context: Context) : RecyclerView.Adapter<MyAdapter.MyViewHolder>() {
    class MyViewHolder(itemView: View) : RecyclerView.ViewHolder(itemView) {
        val imageView : ImageView = itemView.findViewById(R.id.imageView)
        val txtHead : TextView = itemView.findViewById(R.id.textView)
        val button : TextView = itemView.findViewById(R.id.item_list_button)
    }
    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): MyViewHolder {
        val itemView = LayoutInflater.from(parent.context).inflate(R.layout.list_item, parent, attachToRoot: false)
        return MyViewHolder(itemView)
    }
    override fun getItemCount(): Int {
        return newList.size
    }
    override fun onBindViewHolder(holder: MyViewHolder, position: Int) {
        val curentItem = newList[position]
        holder.imageView.setImageResource(curentItem.image)
        holder.txtHead.text = curentItem.text
        holder.button.text = curentItem.buttonText
        holder.button.setOnClickListener {
            context.startActivity(Intent(context, ItemActivity::class.java))
        }
    }
}
```

ItemActivity

```kotlin
package com.example.androidrecycler
import ...
class ItemActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_item)
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
            val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
            insets
        }
    }
}
```

Activity_item.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    android:background="#FCE4EC"
    tools:context=".ItemActivity">
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="*pop*"
        android:textSize="35sp"
        android:textStyle="bold" />
</LinearLayout>
```

Activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:background="#FCE4EC"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="10dp"
        android:text="News"
        android:textSize="50sp"
        android:textStyle="bold" />
    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recyclerview"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:layout_margin="25dp" />
</LinearLayout>
```

List_item.xml

```xml
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginBottom="20dp"
    android:background="#FFCCBC"
    android:orientation="vertical"
    android:paddingBottom="20dp">
    <com.google.android.material.imageview.ShapeableImageView
        android:id="@+id/imageView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:adjustViewBounds="true"
        android:scaleType="centerCrop"
        android:src="@drawable/image1"/>
    <TextView
        android:id="@+id/textView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:paddingHorizontal="20dp"
        android:paddingVertical="10dp"
        android:text="TextView"
        android:textSize="30sp"
        android:textStyle="bold"
        android:textColor="@color/black"/>
    <androidx.constraintlayout.widget.ConstraintLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:paddingVertical="20dp">
        <Button
            android:id="@+id/item_list_button"
            android:layout_width="275dp"
            android:layout_height="60dp"
            android:layout_gravity="center"
            android:backgroundTint="#65268C"
            android:text="Кнопка"
            android:textSize="22sp"
            android:textColor="@color/white"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent" />
    </androidx.constraintlayout.widget.ConstraintLayout>
</LinearLayout>A
```

Результат (главная)

Ok, lets go

lets go

Случай на жд вокзале

???

(при нажатии на кнопу на любом из item)

pop